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ÉCLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title Of Inventio	n:	Docket No.	X-1173 US		
COLUMN REDUNDANCY SCHEME FOR NON-VOLATILE FLASH MEMORY USING JTAG INPUT PROTOCOL					
As a below named inventor(s), I/We declare that:					
This declaration	is directed to:				
X	The attached application, or				
X	Application No. 10/629, 365	filed on July	29, 2003		
	as amended (on)	(if a	applicable);		
I/We believe I/We am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;					
I/We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;					
I/We acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available while the application was pending in the United States Patent and Trademark Office; and					
All statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.					
FULL NAME OF	INVENTOR(S)				
Inventor One:	Asim A. Bajwa	Date	12/3/03		
Signature:	La San Jan -	Citizen of:	United States		
-Inventor Two:	Ping-Chen Liu	Date			
Signature:		Citizen of:	Taiwan		
Inventor Three:		Date			
Signature:		Citizen of:			
Inventor Four:		Date			
Signature:		Citizen of:			
Additional inventors are being named on n/a additional form(s) attached hereto.					

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Vriginia 22313-1450.

X-1173 US

Approved for use through 10/31/2002. OMB 0651-0032
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FULL-NAME OF		tern boung thereon.			
FULL-NAME OF		Date			
FULL-NAME OF	INVENTOR(S)		United States		
FULL-NAME OF Inventor One: Signature:	INVENTOR(S) Asim A. Bajwa	Date	United States		
FULL-NAME OF Inventor One: Signature:	INVENTOR(S) Asim A. Bajwa Ping-Chen Liu	Date Citizen of:	United States		
FULL-NAME OF Inventor One: Signature: Inventor Two:	INVENTOR(S) Asim A. Bajwa Ping-Chen Liu	Date Citizen of: Date	United States 7/28/07 Taiwan		
FULL-NAME OF Inventor One: Signature: Inventor Two: Signature:	INVENTOR(S) Asim A. Bajwa Ping-Chen Liu	Date Citizen of: Date Citizen of:	United States 7/28/07 Taiwan		
FULL-NAME OF Inventor One: Signature: Inventor Two: Signature: Inventor Three:	INVENTOR(S) Asim A. Bajwa Ping-Chen Liu	Date Citizen of: Date Citizen of: Date	United States 7/28/03 Taiwan		
FULL-NAME OF Inventor One: Signature: Inventor Two: Signature: Inventor Three: Signature:	INVENTOR(S) Asim A. Bajwa Ping-Chen Liu	Date Citizen of: Date Citizen of: Date Citizen of:	United States 7/28/03 Taiwan		
FULL-NAME OF Inventor One: Signature: Inventor Two: Signature: Inventor Three: Signature: Inventor Four: Signature: Additional i	INVENTOR(S) Asim A. Bajwa Ping-Chen Liu	Date Citizen of: Date	United States 7/28/03 Taiwan attached hereto.		

Title Of Invention: